

Large-Scale Underground Construction in an  
Operating Steel Plant, 15 pg.

RUSSIAN, per, Beton i Zhelezobeton, No 11, 1958,  
pp 414-417.

Air Info Div T-29

UASS  
Econ  
Sci - Engr  
Aug 59

93, 489

Kornilovich, I.E. and Osadchuk, Ya.E.  
NOUVEL APPAREIL PERMETTANT L'ETUDE DE LA  
RESISTANCE DU BETON DANS LA CONSTRUCTION  
(A New Apparatus for the Study of the Resistance of  
Concrete in Construction). 7p. CNRS-XXV 375.  
Order from OTS, ETC or CNRS \$0.80 TT-62-26740

Transl. in French of Beton i Zhelezobeton (USSR) 1958,  
no. 11, p. 431-432.

DESCRIPTORS: Concrete, Quality control, Mechanical  
properties, \*Non-destructive testing.

(Engineering--Civil, TT, v. 11, no. 6)

TT-62-26740

I. Kornilovich, I.E.  
II. Osadchuk, Ya.E.  
III. CNRS-XXV 375  
IV. Centre National de la Recher-  
che Scientifique, Paris

Office of Technical Services  
European Translation Center

QUELQUES PROPRIÉTÉS MÉCANIQUES DU BÉTON,  
D'UNE IMPORTANCE ESSENTIELLE, CONCERNANT  
LA MÉCANIQUE DES CONSTRUCTIONS EN BÉTON  
ARMÉ (I) (Some Mechanical Properties of Concrete,  
of Essential Importance, Concerning the Mechanism  
of Construction in Reinforced Concrete). 25p. 36 refs  
(text in French).  
Order from OTS or ETO \$1.65 62-26328

Transl. in English of Beton i Zhelzobeton (USSR) 1959.  
[no. 1] p. 5-12.

DESS. REPORTS: Concrete, Mechanical properties,  
\*Reinforced concrete, Construction, \*Mechanics,  
Theory, Deformation, Resistance, Creep

(Materials - 11, v. 9, nos. 8)

62-26328

1. Centre National de la  
Recherche Scientifique  
(France)

Office of Technical Services

Strength and Deformation of Silicate Concrete  
Under Compression, by V. Gusakov.

RUSIAN, per, Beton i Zhelezobeton, No 1, 1959,  
pp 25-29.

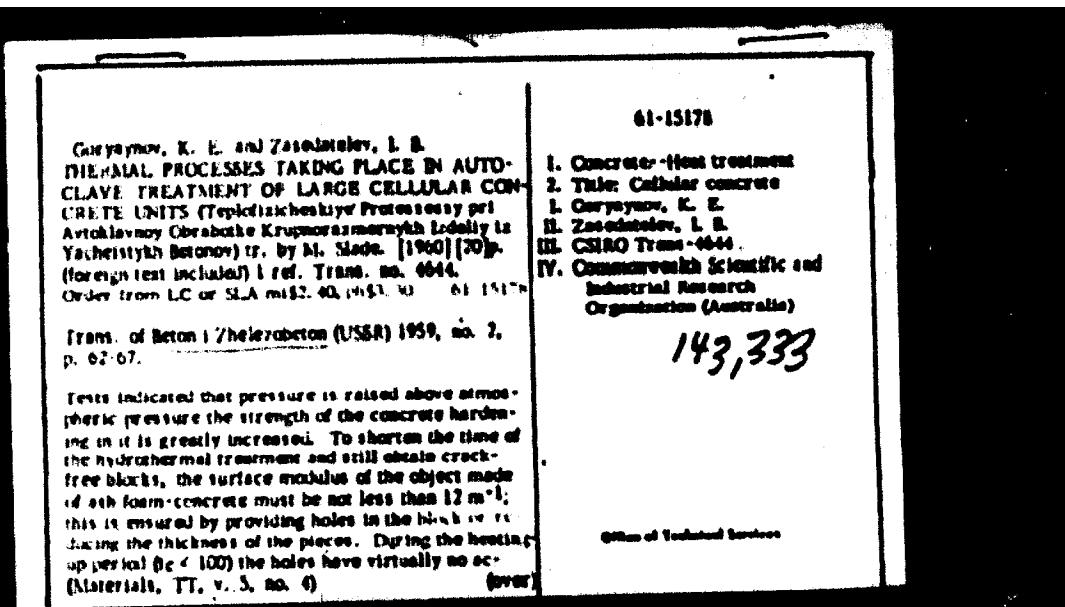
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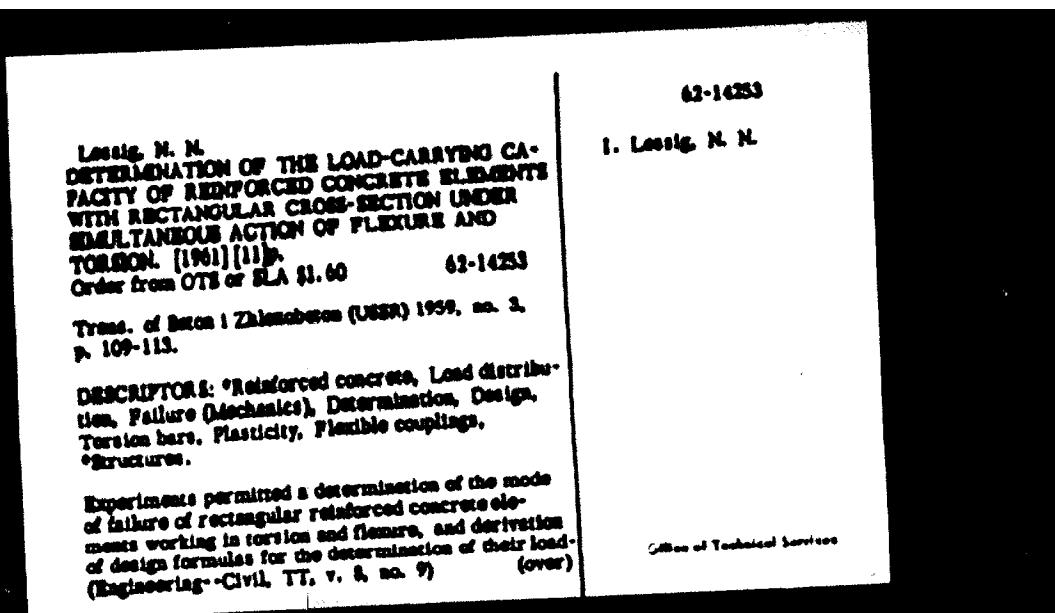
Received from Dr French  
JG 170 62-26902



<p>Semenov, I. A.      &amp; R. G. C. THE EXISTING STEAM CHAMBERS      IN THE CONCRETE-STEAM-HEATING SYSTEM. Progressivnykh      Sistem Stekleniya M. Shchuka [1960] 15(5). O. 100 test      nauchno-tekhn. Trans. no. 1645      English transl. Trans. no. 1045 V. 20. 61-13889      61-13889</p> <p>143,159</p>	<p>61-13889</p> <p>I. Concrete-Hardening      2. Concrete-Chemical reactions      3. Steam--Applications      4. Title: Steam chambers      5. Semenov, I. A.      II. CSIRO Trans. 1645      III. Commonwealth Scientific      and Industrial Research      Organizations (Australia)</p>
<p>SEARCHED _____ INDEXED _____ SERIALIZED _____ FILED _____</p>	<p>Office of Technical Services</p>

<p>Lebel, L. M. and Kryazhevich, M. G. STUDY OF JOINTS IN SECTIONAL REINFORCED- CONCRETE SLABS (Issledovaniye Sistem Stenivnykh Zhelezobetonnykh Plit) tr. by M. Shuk. [1960] [11]. (Russian text included). Trans. no. 6646. Order from U.S. or SLA-m132-40, p633, 10 61-13278</p> <p>Uchen. of Beton i Zhelezobeton (USSR) 1959, no. 2, p. 52-55.</p> <p>A comparison is presented of the resistance to cracking, the rigidity, and the carrying capacity of sec- tional and one piece reinforced-concrete slabs. Perforated joints with circular and elongated loops a joint made by welding strips of steel to the emerging ends of the reinforcement and a toothed joint with steel rods welded to the ends of the reinforcement of the slabs were compared with one-piece slabs.</p> <p>(Materials, TT, v. 5, no. 4)</p>	<p>I 61-13278</p> <p>1. Reinforced concrete--     Tensile properties 2. Joints--Test results I. Lebel, L. M. II. Kryazhevich, M. G. III. CSIRO Trans-6646 IV. Commonwealth Scientific     and Industrial Research     Organization (Australia)</p> <p><i>143,345</i> <i>NLL M.2917</i></p> <p>Office of Technical Services</p>
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<p>Soroker, V. I., Spivak, N. Ya., and Slobolov, V. A. CASTING HOLLOW AND RIBBED THIN-WALLED REINFORCED CONCRETE PANELS IN VERTICAL MOULDS ("CASETTES") (Formovka Preseyaykh i Chastotribnykh Tonkostennykh Zhelezobetonnykh Panely v Kassetakh) tr. by G. N. Gleason. Mar 60 [?]. Library Communication no. 961. Order from LC or SLA n. 81.00 phsLBD 61-15292  Trans. of Beton i Zhelezobeton (USSR) 1959, no. 3, p. 100-103.  A survey.</p> <p>151949</p> <p>(Materials, TT, v. 3, no. 9)</p>	<p>61-15292</p> <p>I. Reinforced concrete-- Molding II. Sheets--Molding I. Soroker, V. I. II. Spivak, N. Ya. III. Slobolov, V. A. IV. LC-961 V. Department of Scientific and Industrial Research (U. Brit.)</p> <p>NLL M-2941</p> <p>Office of Technical Services</p>
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Krylov, N. A., and Duranov, A. S.  
LES METHODES ACTUELLES DU CONTROLE DE LA  
QUALITE DU BETON (Current Methods for Controlling  
the Quality of Concrete). 19p. (text in French).  
Order from OTS or ETC \$1.15 62-26321

Trans. in French of Beton i Zhelezobeton (USSR) 1959,  
no. 3, p. 113-117

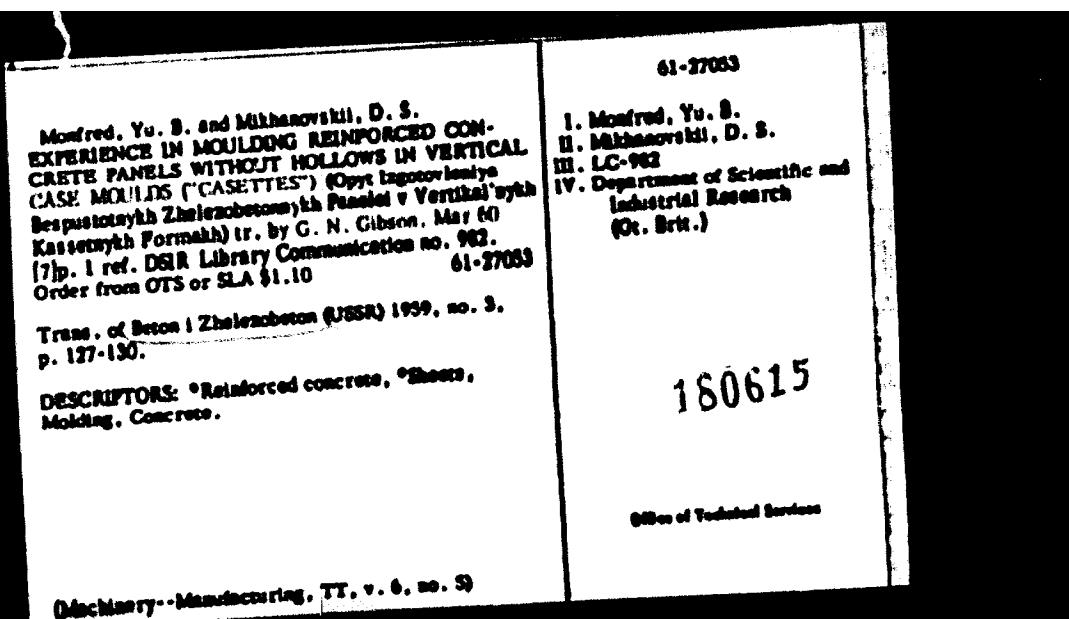
DESCRIPTORS: \*Concrete, \*Quality control,  
Ultrasonics, Elasticity, Deformation, Vibration,  
Mechanical properties.

(Materials, TT, v. 9, no. 8)

62-26321

I. Krylov, N. A.  
II. Duranov, A. S.  
III. Centre National de la  
Recherche Scientifique  
(France)

Office of Technical Services



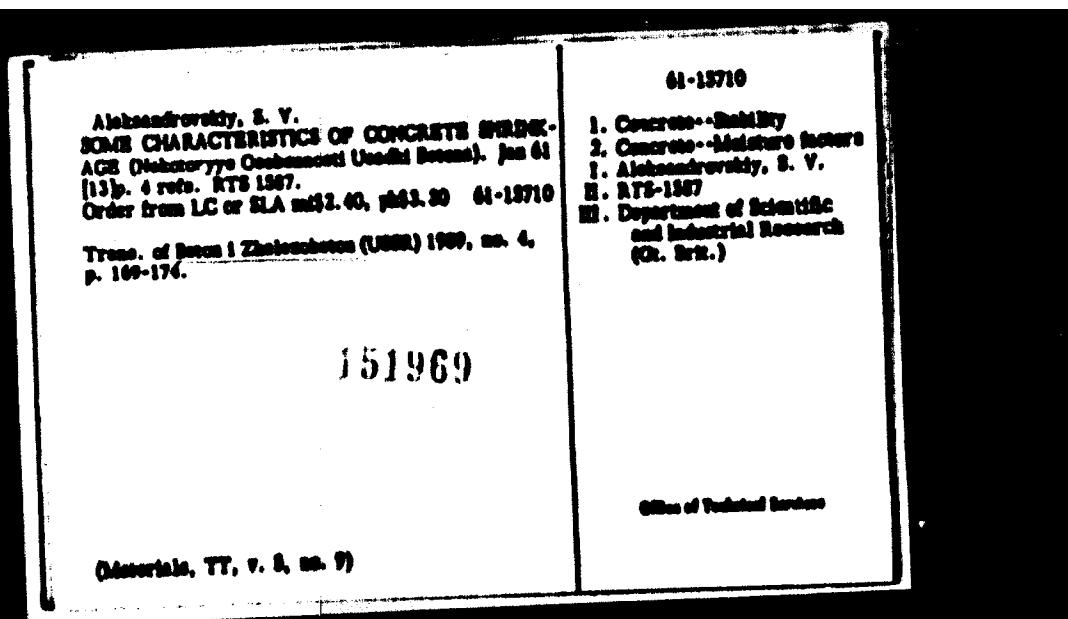
(NY-2800/3).

Production of Prestressed Concrete Should Be  
Developed by All Means, *1*.

RUSSIAN, per, Beton i Zhelezobeton, No 4, Moscow,  
1959, pp 1, 2.

JPRS - 1781-U

USSR  
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Jun 59



Manufacture of Reinforced Concrete Panels in  
Mechanised Vertical Casette Moulds, by A. K.  
Mktumyan, K. I. Parshina, V. A. Sokolov, 7 pp.

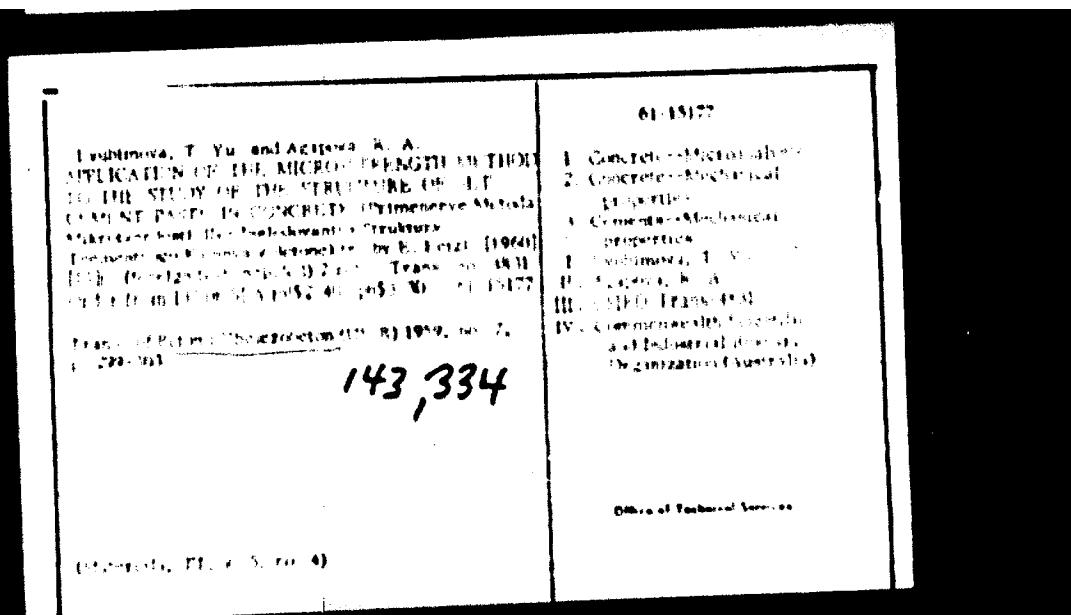
RUSSIAN, per, Beton i Zhelezobeton, No 5, 1959,  
pp 198-202.

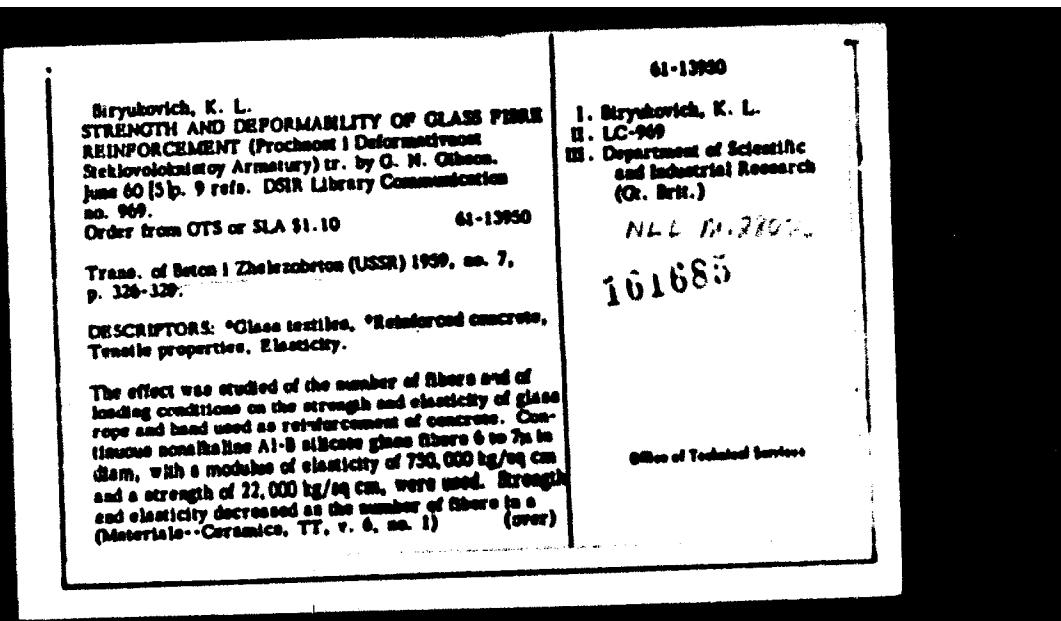
Sci

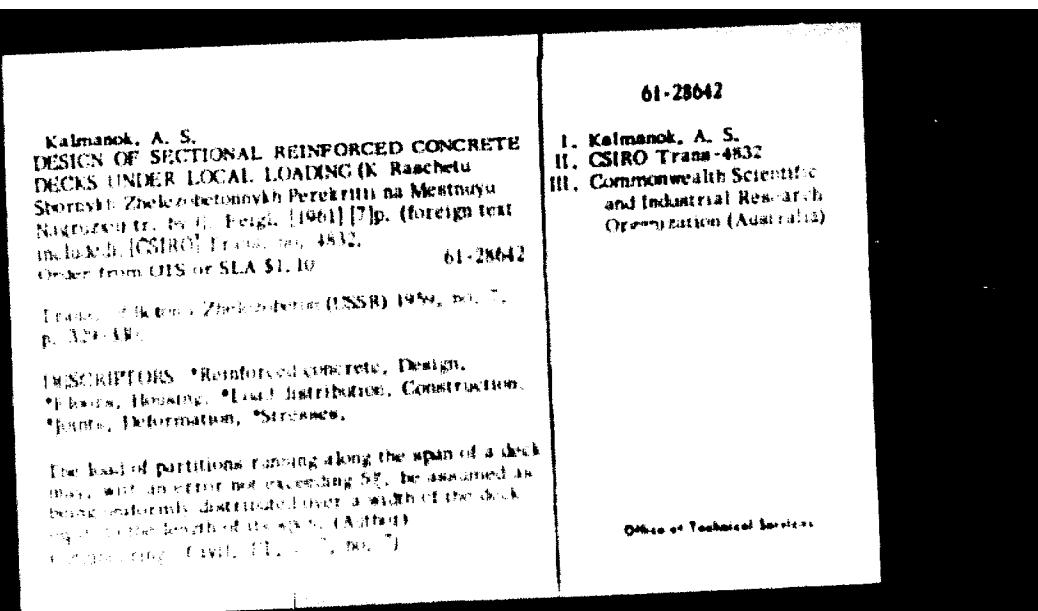
SLA 60-17687  
USIA 224 M-1988 (LOAN)  
129,430

OTS, Vol IV, No 3

Oct 60







Aerated Concrete for Manufacture of  
Large Components, by S. A. Mironov, et al.  
RUSSIAN, per, Beton i Zhelezobeton, 1959,  
No 8, pp 342-344.  
ILL 5196 1963 (1199) (on loan)

Aug 65

286,941

68/21/LC 1199

11 765

GE-1

Steel-concrete prefabricated building components in  
nuclear plants

Stahlbetonfertigbauteile bei Kernenergieanlagen

Beton i Zhelezobeton, No. 8, 345-349 (1959) -German  
Bauplanung- Bautechnik, 14, No. 6, p. 280 (1960)- German

German  
E u r a t o m

PC-d

(DC-4221)

Experience in the Manufacture of Various Quality  
Concrete Wall Panels Without Autoclave Processing, by  
G. A. Frank, 8 pp.

RUSSIAN, per, Beton i Zhelezobeton, No 6, 1959,  
pp 364-365.

JPRS-L-1984-D

USOR  
Zeon  
Jan 60

105 747

Krasnyy, I. M.  
MOLDING EQUIPMENT AND TECHNICAL ARRANGEMENT OF THE MANUFACTURE OF AUTOMATED SOFT AND RIGID PANELS BY THE CASETTE METHOD (Formnovochannye Uborudovaniye  
i Tekhnicheskkiye Schemy Protsessov Avtomatizirovannykh Sploshnykh i Postoyannikh Modeli Kassetnym  
Sposobom) (tr. by G. M. Gibson. Mar 1970). DSIR  
Library Communication no. 954. M 2400.  
Order from U.S. or S.I.A. m/SI. NO. PHSI NO. 61-13504

Trans. of *Beton i Zhelezobeton (USSR)* 1970, no. 9,  
p. 413-416

(Machinery--Manufacturing. IT, v. 5, no. 12)

61-13504

- I. Solids--Production
- II. Sheets--Production
- III. Concrete--Molding
- IV. Krasnyy, I. M.
- V. LC-954
- VI. DSIR LIBRARY 2400
- VII. Department of Scientific  
and Industrial Research  
(G. Brit.)

100171

Office of Technical Services

<p>Sisov, V. N. STEAM-CURING OF HIGH-STRENGTH CONCRETE (Proprietarye Vysokoprochnyy Betonov) tr. by G. L. Cairns. June 60 (9 p.). DSIR Library Communica- tion no. 968. Order from OTS or SLA \$1.10                    61-13934</p> <p>Trans. of Beton i Zhelezobeton (USSR) 1959, no. 10, p. 442-446.</p> <p>DESCRIPTORS: *Concrete, *Steam, Temperature, Heat treatment, Mechanical properties.</p> <p>Investigations on the steam curing of high-strength con- cretes made of stiff mixes with low water/cement ratios and Portland cements of high marks enabled the follow- ing conclusions to be drawn. When subjecting concretes to hydrothermal treatment, mixes should be selected with maximum stiffness and capable of compaction with the available equipment. Steam curing of stiff mixes with w/c ratios less than 0.4 at 60° to 80°C is more (over) (Materials, TT, v. 6, no. 1)</p>	<p>61-13934</p> <p>I. Title: High-strength concrete</p> <p>II. Sisov, V. N.</p> <p>III. LC-968</p> <p>DSIR Department of Scientific and Industrial Research (Or. Brit.)</p> <p>NLL M.2794</p> <p>161687</p> <p>Bottom of Treatment Surface</p>
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(NY-2800/10).

The Mechanization and Automation of Plant Processes  
for the Manufacture of Prefabricated Reinforced  
Concrete Structures Should Be Improved, by M.  
A. Pishchik, 1 p.

RUSSIAN, per, Beton i Zhelezobeton, No 12,  
1959, p 531.

JPRS 2483

USJR  
Econ - Construction  
May 60

(~~NSC Sec 14~~)

Production of Precast Reinforced Concrete Elements  
to Be Developed and Perfected, 2 pp.

RUSIAN, per, Beton i Chelezobeton. No 1, 1960,  
pp. 1, ..

YJPC 2594

100%

200% - Construction

Fe 100

BD 12/Ko 4

(SF-1832).

70th birthday of Professor P. L. Pasternak, 2/19

RUSSIAN, per, Beton i Zhelnyy Beton, No 1, 1960, p 3<sup>2</sup>.

\*JPRS 1/20/60

USSR

B105

27 Apr '61

Frost Resistance of Concrete Under Stress.  
Freezing-Thawing Tests, 16 pp.

RUSSIAN, per, Beton i Zholzobeton, No 2,  
1960, pp 58-64.

AID T-40

Sci - Engr  
Aug 60

122,476

Plastic-Bonded Fibreglass as Reinforcement  
for Concrete Components, by A. A.  
Dvozdkov.

RUSSIAN, per, Beton i Zhelezobeton,  
No 3, 1960, pp 105-111.

ILL M. 3261

Sci - Chem  
Mar 62

183,692

(NY-2800/15)

Raise the Technical Level and Lower the Estimate  
Cost of Industrial Construction, 2 pp.

RUSSIAN, per, Beton i Zhelezobeton, No 5, 1960,  
pp 19<sup>1</sup>, 19<sup>4</sup>.

JPRS 5165

USSR

Econ - Construction

Aug 60

(NY-2800/18).

Builders Holiday, 2 pp.

RUSSIAN, per, Beton i Zhelezobeton, No 8, 1960,  
pp 741, 742.

JPRC 7414

UFGS

Econ

5 Oct 60

(NY-2800/18 ).

Prestressed Reinforced Concrete in Belorussian SSR  
Construction, by S. S. Baturin, 3/11.

RUSSIAN, per, Beton i Chalozobeton, No 8, 1960, p 301.

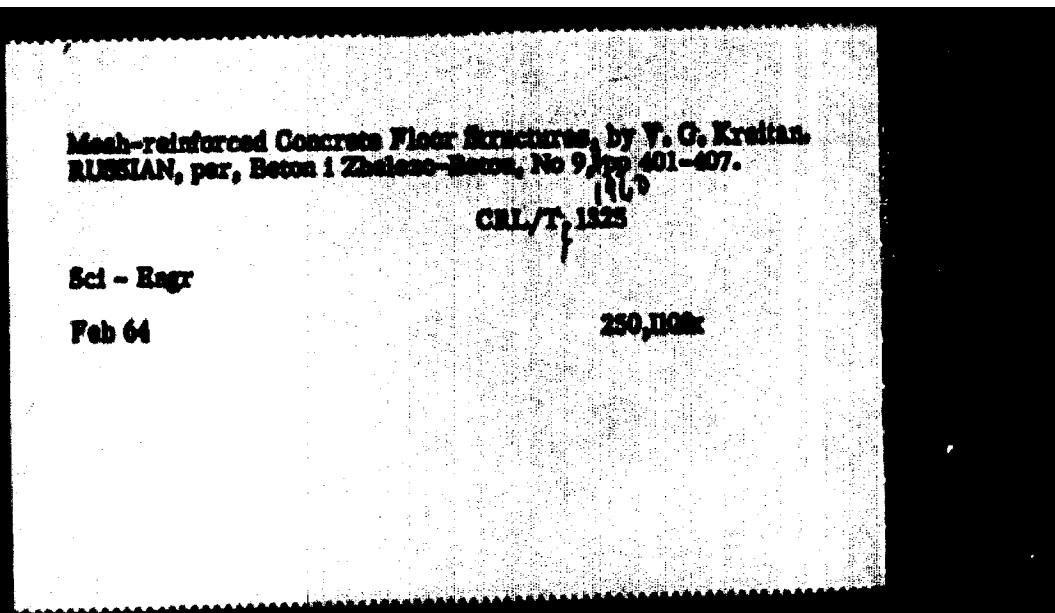
JPG 74/4

USSR

Fcon

5 Oct 60

<p>Gogolitsyn, V. A., Gurin, N. M. and others. DETERMINATION DE LA RESISTANCE DU BETON A LA COMPRESSION (Determination of the Resistance of Concrete to Compression), 10p, 3 refs, FR-157 (text in French). Order from OIS or ETC \$1.00 62-26333</p> <p>Trans. (in French) of Beton i Zhelezobeton (USSR) 1960, no. 5, p. 372-375.</p> <p>DESCRIPTORS: *Concrete, Pressure, Resistance, Determination, Measurement, Densities,</p>	<p>62-26333</p> <p>I. Gogolitsyn, V. A. II. Gurin, N. M. III. FR-157 IV. Centre National de la Recherche Scientifique (France)</p>	
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The Effect of Instantaneous Change of Tension  
on the Zone Length of the Reinforcement Anchorage  
in a Concrete With Expanded Shale or Clay  
Aggregate, by A. A. Indryevitsay.

prestaty, par, Beton i Zhelezobeton, No 9, 1960,  
pp 45-48.

ILL Ser: 5196 1962 (1135)  
(Loan)

238,359

Sci - N/M  
Jul 63

Shrinkage and Creep of Lightweight Concretes  
in Prestressed Concrete Structures, by M. Z.  
Simonov, K. S. Karapetyan.

RUSSIAN, per, Beton i Zblesobeton, No 10,  
1960, pp 450-454.

ILL Ref: 5196 1960 (1139)  
(Loan)

Sci - W/M

238,362

Jul 63

The Corrosion of Reinforced Concrete Made With  
Granulated Blastfurnace Slag Aggregate, by  
A. P. Chakhov.

RUSSIAN, per, Beton i Zhalozobeton, No 10, 1960,  
pp 480-481.

ILL Ref: 5196 1962 ( ) 134  
(Loss)

Sci - N/M  
Aug 63

243,398

(NY-2800/20)

Cost Analysis of Precast Concrete Produced in  
Novosibirsk, by S. Glushchenko, A. A. Pichugin,  
3 pp.

RUSSIAN, per, Beton i Zhdlobeton, No 11, 1960,  
pp 501-503.

JPRS 7920

WDR  
Recd  
Apr 61

144,732

<p>Nogin, S. I. ÉTUDE PAR ULTRASONS DES ALTÉRATIONS DE STRUCTURE DU BETON CHARGÉ (Study by Ultra Sonics of the Alterations of Structure of Overcast Concrete). 11p, 8 refs. PR-626 (text in French). Order from OTS or ETC \$1.00 62-26317 Trans. In French of Beton i Zhelezobeton (USSR) 1960, no. 11, p. 516-518.</p> <p>DESCRIPTORS: *Reinforced concrete, Structures, *Ultrasonics, Analysis, Pressure, Velocity, Ultrasonic radiation.</p> <p>(Materials, PT, v. 9, no. 8)</p>	<p>62-26317</p> <p>I. Nogin, S. I. II. PR-626 III. Centre National de la Recherche Scientifique (France)</p>	
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Automation of Production of Prestressed Concrete Components, by A. A. Polomeev.

RUSSIAN, per, Beton i Zhelezobeton, No 12, 1960,  
pp 533-537.

NLL Ref: 5196 1963 (1194) (loan)

OTS TT- 64-13761

May 64

( NY-2800/22 ).

Develop and Strengthen the Production Base for  
Construction,

RUSSIAN, per, Beton i Zhelezobeton, No 1, 1961, pp 1-3.

\*JPRS

USSR

Econ - Construction

6 Mar 61

The Strength of Joints Between Walls and Floors in  
Buildings Constructed of Large Panels, by S. A.  
Sementsov.

RUSSIAN, per, Beton i Zhalozobeton, No 1, 1961,  
pp 14-18.

ML M 8811

Sed - Magr  
Mar 63

224,877

porous Clay Filler (Expanded) Concrete in  
Large-Panelled Housing, by G. F. Muznetsov.  
b

RUSSIAN, per, Beton i Zhelezobeton, No 2,  
1961, pp 58-63.

KML, Ft Belvoir  
T-1363 11/18/63  
164, 341

Sci - Engt  
Aug 61

Use of Fuel Ash in the Latvian SSR, by G. Ya.  
Kunmos, B. Ya. Lindenberg.

RUSSIAN, per, Beton i Zhalozobeton, No 2, 1961,  
pp 68-83.

NLL M 8812

Sci - Fuels  
Mar 63

225,416

Large Panels of Autoclaved Aerated Concrete  
Without Cement Containing Blast Furnace Slag  
and Fuel Ash, by L. M. Rosenthal'd, I. M.  
Bor'zakovich.

RUSSIAN, per, Beton i Zhalozobeton, No 2, 1961,  
pp 68-83.

8812  
ILL N 220002

225,399

Sci - Engr  
Mar 63

Problems of the Strength of Lightweight Concrete  
by Yu. E. Kurnilovich.

RUSSIAN, rev, Beton i Zhelezobeton, No 2, 1961,  
pp 68-83.

NLL M 8812

Sci - Mat/Intallurgy  
Mar 63

225,4.5

Pervlite Concrete for Large-Panelled Structures, by  
M. T. Sodikova.

RUSSIAN, per, в Бетон і Залізобетон, № 2, 1961,  
pp 68-83.

MIL M 8812

Sci - Engr  
Mar 63

224, 476

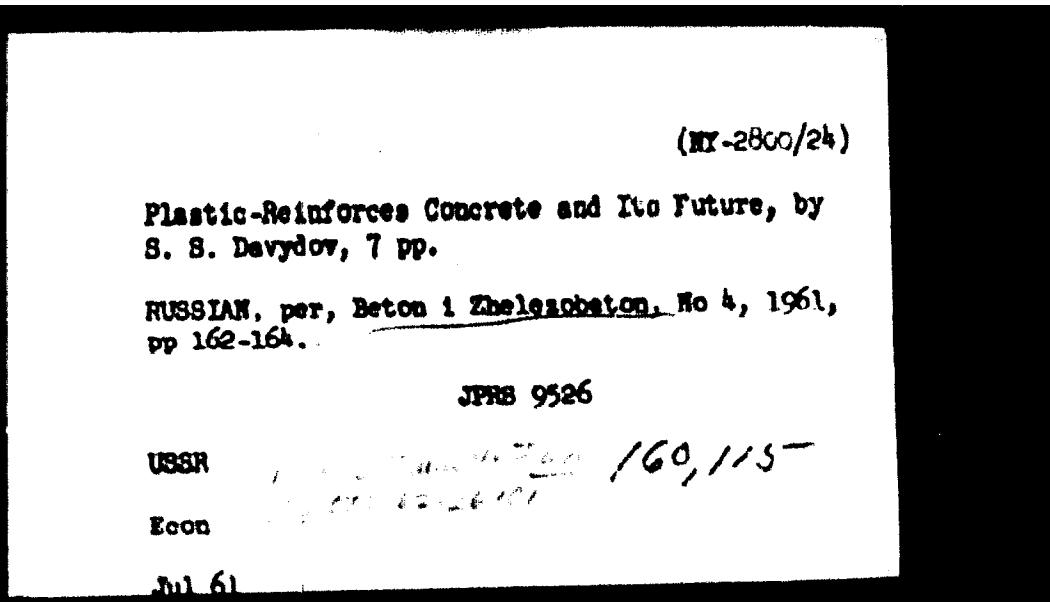
Ok-2 94-62

Viktor Vasili'yevich Nikhaylov, on the Occasion  
of his 60th birthday, 30/8.

16-01-61, action 1 Shchelzobeton, No 4, 1961.

JPNB/RV7596

Ok-2  
610  
ref. 62



(NY-2800/25)

Expediting the Development of the Moscow and  
Leningrad Building Materials Industry, 4 pp.

MESIAN, per, Beton i Zhalozobeton, No 5, 1961,  
pp 193, 194.

JPMB 9855

USSR

169, 747

Econ

Sep 61

Critical Remarks on Power's Hypothesis, by G. G.  
Zrenyev.

RUSSIAN, per, Beton i Zhelezobeton, No 5, 1961,  
pp 234-235.

MLL N. 4814

Sci - Engr

Jul 62

207, 183

Manufacture of "Gas Concrete" for use in the  
Prefabrication of Large-Sized Building Units,  
by S. Mironov, M. Kryvitsky.

-7.

RUSSIAN, per, Beton i Zhelezobeton, No 8,  
1961, pp 361-364.

CSIRO/No 5693

225,357

Sci-Engr  
Mar 63

<p>Radkevich, B. L. SHRINKAGE AND CREEP OF EXPANDED CLAY- CONCRETE UNITS IN COMPRESSION (Usadka i Putachest' Scharykh Keramzitobetonykh Elementov) tr. by B. Ribush. [1962] [18]p. (foreign text included) 3 refs. [CSIRO] Trans. 5910. Order from OTS or SLA \$1.60 63-13597</p> <p>Trans. of <u>Beton i Zhelezobeton</u> (USSR) 1961, no. 8, p. 364-369.</p> <p>DESCRIPTORS: *Clay, *Concrete, *Structures, Com- pressive properties, Deformation, Reinforced con- crete, *Creep.</p> <p>Results are given of experiments on shrinkage and creep of reinforced and non-reinforced prisms made of expanded clay-concrete and standard concrete grade 150 and 200. (Author) (Engineering--Civil, TT, v. 10, no. 2)</p>	<p>63-13597</p> <p>I. Radkevich, B. L. II. CSIRO Trans-5910 III. Commonwealth Scientific and Industrial Research Organization (Australia)</p> <p>63-13597</p>	
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<p>Mironov, S. A. and Krivitskii, M. Ya. THE MANUFACTURE OF "GAS CONCRETE" FOR USE IN THE PREFABRICATION OF LARGE SIZED BUILDING UNITS (Gasobeton na Tsentralno- izvestkovom Vyazbushchem dlya Kruporazmernykh Konstruktsii). [1962] [11]p. (foreign text included). [CSIRO] Trans. 5693. Order from OTS or SLA \$1.60      62-33552</p> <p>Trans. of Beton i Zhdirobeton (USSR) 1961, no. 8, p. 361-364.</p> <p>DESCRIPTORS: *Prefabricated buildings, *Concrete, Osses, Construction materials industry.</p> <p>(Materials, TT, v. 9, no. 11)</p>	<p>62-33552</p> <p>I. Title: Gas concrete I. Mironov, S. A. II. Krivitskii, M. Ya. III. CSIRO Trans-5693 IV. Commonwealth Scientific and Industrial Research Organization (Australia)</p> <p>Office of Technical Services</p>
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Shrinkage and Creep of Compressed Expanded Clay-Concrete Units in Compression, by B. Radkevich.

RUSSIAN, per, Beton i Zhelezobeton, No 8, 1961, pp 364-369.

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CSIRO/No 5910

Sci-Engr  
Mar 63

225,158

Relaxation of Stress and Creep of High-Tensile Wire Reinforcement, by V. G. Chernachkin, T. N. Livchak.

RUSIAN, per, Beton i Zhdanobeton, No 9, 1961,  
pp 414-417.

RDR 3269

243618

Sci - N/M  
Dec 63

Plastics-Bonded Fibre Glass Reinforcement Developed  
at the 'YuZhNII' Scientific Research Institute,  
by O. Ya. Tsvytkina.

MOSCOW, per, Beton i Zhelezobeton, No 9, 1961,  
pp 417-418.

MLL Ref: 5196 1962 (1,107)  
(loose)

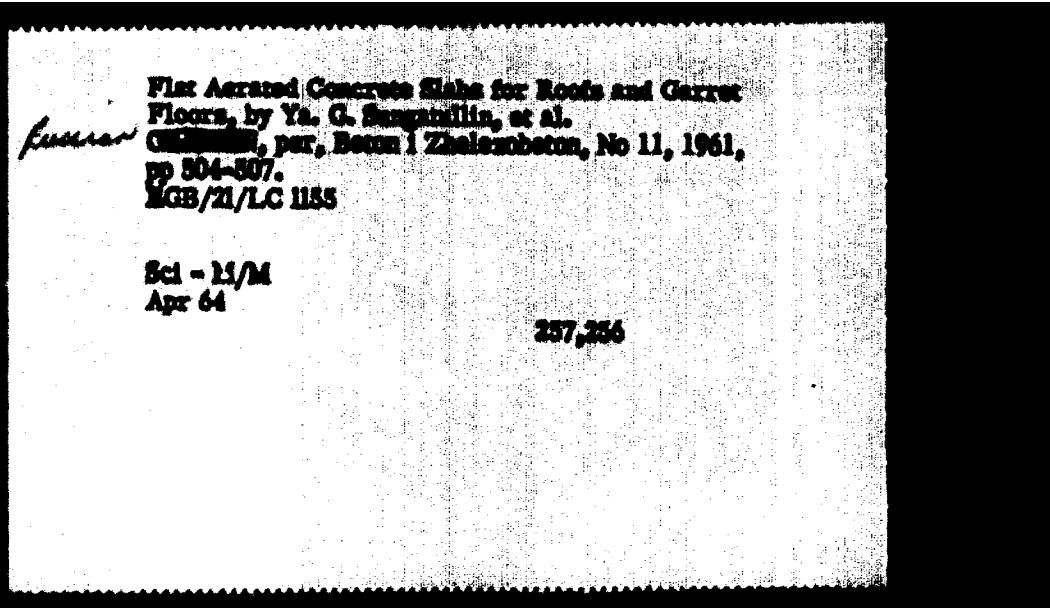
Sci - M/M  
Jul 63

236,093

Evaluation of the Durability of Large-Sized Elements  
Made of Autoclaved Aerated Concrete, by  
E. S. Silakov.  
Gosstandart, per., Beton i Zhalobeton, No 11, 1961,  
pp. 501-# 504.  
MK GB/21/LCIISS

Sci - M/M  
Apr 64

257,255



Effect of Steam-Curing of Prestressed Concrete  
on the Stress Loss in the Reinforcement, by  
A.A. Kudryavtsev.  
RUSSIAN, per, Beton I Zhelezobeton, No. 11, 1961,  
pp 518-520  
ILL/5196 1962 (1155)

Sci -  
Aug 67

335-684

Improved Construction of Large-Panel Plates,  
by A. A. Shishkin.

RUSSIAN, per, Betrieb i Zheleznobuton, No 12, 1961,  
pp 531-535.

ILL Ref: 5196 1962 (1,113)  
(loan)

Sci - Eng  
Jul 63

234, 179

(NY-1840)

PROSPECTS FOR THE DEVELOPMENT OF PRECAST  
REINFORCED CONCRETE, BY. G. A. KARAVAYEV, 5 PP.

RUSSIAN, PER, ~~БИБЛЮМ~~ BETON I ZHELEZOBETON,  
NO 1, 1962, PP 1-7.

JPRS 14807

USSR  
ECON  
AUG 62

206,920

Creep and Shrinkage of Triaxially  
Prestressed Concrete, by G. A.  
Gambarov.

RUSSTAL, per, Beton i Zhelezobeton,  
1962, Vol 8, No 1, pp 21-25.

MLL RRS 2481 (On Loan or Purchase)

CFSTI 77-64-19989

Aug65

288,109

Kvitko, O. L. and Ovcharyuk, L. O.  
RELAXATION OF PRESTRAINS IN STRANDED WIRE  
TERMINATED BY VARIOUS METHODS (Razrabotka  
Napravlenii v Provodochnykh Privedakh pri Razmichaytch  
Svarkochnym i Nepreryvnoy Arzannym) G. L. Chizhev, tr.  
Jd. 68 [Ap] Sandus Building Research Station Library  
Communication no. 1181.  
Order from OTT, SLA, or STC \$1.10 TT-64-13351

Transl. of Izv. i Zashchita (ISSR) 1963, v. 8, no. 1,  
p. 29-32.

(Monograph Series, TT, v. 12, no. 2)

TT-64-13351

L Kvitko, O. L.  
L. Ovcharyuk, L. O.  
EL LC-1181  
IV. Department of Scientific  
and Industrial Research,  
London (England)

Bureau of Technical Services

Influence of Heat Evolution of Cements on  
Concrete Steam Curing Conditions, by  
E. Erachler.

RUSSIAN, per, ~~Бетон и Железобетон~~ Beton i Zhelezobeton,  
No 2, 1962, pp 79-81.

CSIRO/No 6113

Sci-Engr  
Oct 63

Redistribution of Stresses in Prestressed  
Reinforced Concrete Structures, by  
S. Krylov, L. Makarenko.

HUKMLAN, per, Beton i Zhalozobeton, No 2, 1962,  
pp 82-85.

CSIRO/No 6112

Sci-Engr  
Oct 63

Method of Computing Creep and Shrinkage Deformation of Concrete for Practical Purposes, by  
I. Ulitskiy.

RUSSIAN, per, Beton Zhelezobeton, No 4, 1962,  
pp 174-180.

CSIRO/No 6030

Sci-Materials & Metallurgy  
May 63

232,138

Principles of Designing Automatic Electrical  
Measuring Devices for the Determination  
of Shrinkage Movements, by V. A. Levidov.

RUSSIAN, page per, Poton i Zhelezobeton,  
No 5, 1962, pp 219-222.

NLL Ref: S196 1963 (1176) (Loan)

Sci - Electron  
Feb 64

25717/100 6164

248, 619

Structure and Characteristics of Ceramic Material, by  
P. Ivanov, V. Soltsev.  
RUSSIAN, per, Book i Zashchitnoe, No 5, 1962, pp 223-237.

Sci - M/M

Feb 64

CHIEF/MG 6148

OFS TT-Let-19105-

250,473

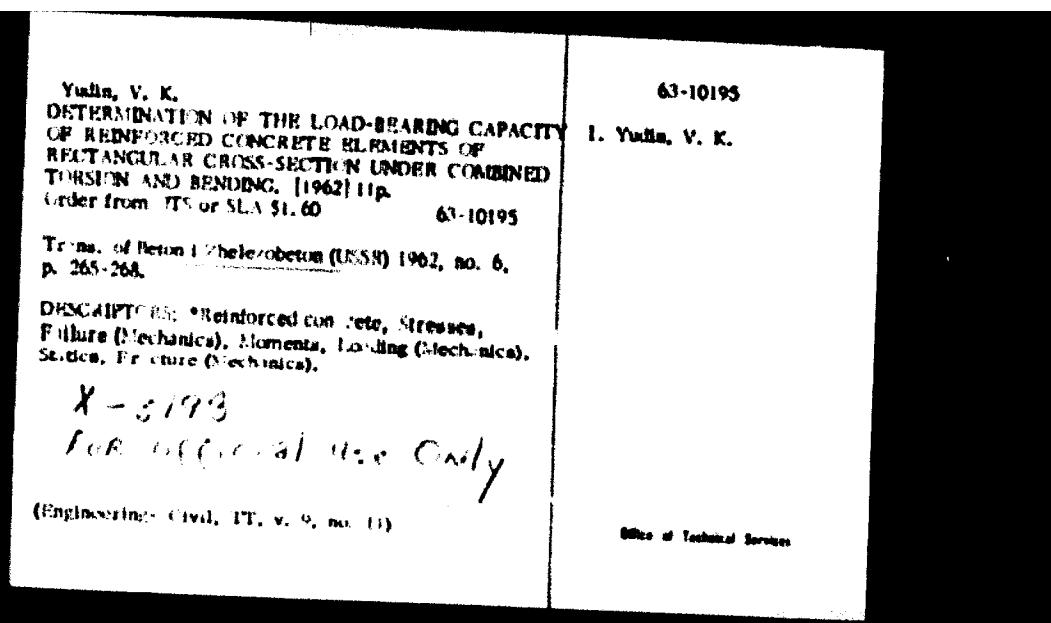
Calculation of Deformations (Deflections) in  
Reinforced Concrete Structures According to the  
New Recommendations (SNIIP II-V. 1.62), by  
A. Ovozdyev.

RUSSIAN, per, Beton i zhalozobeton, No 6, 1962,  
pp 245-250.

CSIRO/No 6140

sci-engr

oct 63



The Effect of Vibromixing on the Strength of  
Cement Solutions and Concrete, by  
M. Subbotkin, B. Trinker, 8 pp.

RUSSIAN, per, Beton i Zhelezobeton, Vol VIII,  
1962, No 6, pp 271-274.

CSIRO/No 6139

Sci-Engr

CSIRO - 65 - 1404

Aug 63

341,966

Experience in Producing High-Strength Concretes  
Based on Ordinary Cement, by V. S. Batalov,  
6 pp.

RUSSIAN, par, Beton i Zbalezobeton, No 7, 1962,  
pp 294-297.

JPRS 15866

USSR  
Beton  
Oct 62

Investigation of the Strength, Deformativeness, and  
Stress Relaxation of High-Strength Concretes,  
by V. I. Sytnik, 16 pp.

RUSSIAN, per, Beton i Zhdanovskon, No 7, 1962,  
pp 297-302.

JPRS 15866

USCR

Soon

Oct 62

216, 95-7

Podval'nyi, A. M.

THE EFFECTS OF TEMPERATURE ON THE LONG-TERM PERFORMANCE OF PLASTIC CONCRETES  
(Vliyaniye Temperatury na Vneshniju i na Dolgozhevost' Plasticheskikh Betonov). May 63 [15]p. RIS-2248.  
Order from OTIS or SLA \$1.60

63-22255

Trans. of Beton i Zidaniya (USSR) 1962 (v. 8) no. 7,  
p. 306-316.

DESCRIPTORS: \*Concrete, \*Plastics, Tensile,  
Temperature.

As a result of the difference in the coefficients of thermal expansion of the resin and the aggregates, and incongruity of their deformations when tensioned, considerable strains occur in plastic concrete under the effect of the external medium and these lower its strength and long-term performance. As a result of difference in (Materials. TT, v. 10, no. 9)

63-22255

I. Podval'nyi, A. M.  
II. RIS-2248  
III. National Landing Library  
for Science and Technology (Dr. Brk.)

Office of Technical Services

Development of the Soviet Building Materials  
Industry, 3 pp.

RUSSIAN, per, Beton i Zhelezobeton, No 8, 1962,  
pp 337-338.

JPRS 15866

USSR  
Econ  
Oct 62

Heat Resistant Portland Concrete, by K. D. Nekrasov,  
M. G. Moshchukova. 11 pp.  
BUREAN, pub. Izdat. i Zhurnalbeton, Vol VIII, No 3,  
1962, pp 359-372.  
OTS 65-14712

KSC-M/M  
March 64

252,087

Reinforced Concrete Floor Structures,  
by V. Krotan,  
RUSSIAN, per, Beton i Shlezobeton, Vol IX,  
1962, pp 401-407.  
Dept of Inter  
ACS E57 No 163

Sci-Materials  
Jan 67

316,702

THE MASTER PLAN OF DEVELOPMENT OF THE BUILDING  
MATERIALS AND PRODUCTS INDUSTRY, 5 PP.

RUSSIAN, PER, BETON I ZHELEZOBETON, NO 11, 1962,  
PP 481-482.

JPRS 17636

USSR  
ECON  
FEB 63

223,415

Theoretical Basis for the Computation of Deformations of  
Reinforced Concrete Structures in Accordance With the  
New Specifications, by N. Matto et al.  
RUSIAN, per, Beton i Zidaniye, No 11, 1962, pp 491-499.

CIA/No 6328

Sci - M/M      OTS TT 64-19101  
Feb 64            250,679

Increases in Deflections of Reinforced Concrete Beams Under  
Prolonged Load Application, by V. V. KARAPETOV,  
MOSCOW, per, Zhdanov, No 11, 1962, pp 401-402.

CCIO/No 6224

Sci - M/M

OTS T7-64-19100

Feb 64

200,426

PRECAST REINFORCED CONCRETE COMPONENTS IN  
INDUSTRIAL CONSTRUCTION OF THE UKSSR, BY  
S. N. ANDRIANOV, 8 PP.

RUSSIAN, PER, BETON I ZHELEZO-BETON, NO 2,  
1963, PP 49-52.

JPRS 19516

USSR  
ECON  
JUN 63

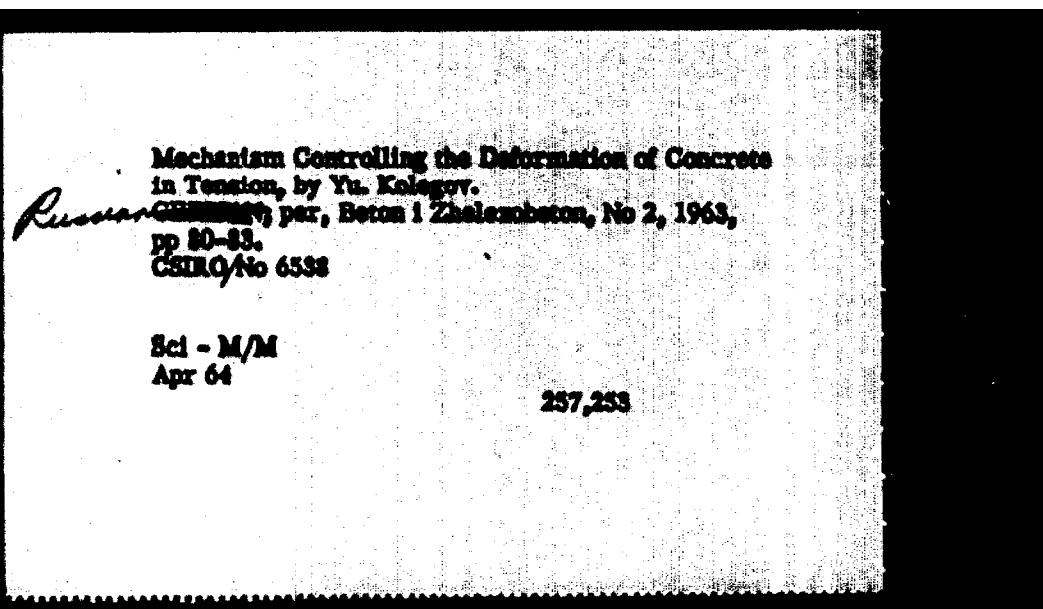
231,744

High-Quality Grouting of Cable in Precast  
Prestressed Concrete, by A. P. Vasilev.

RUSSIAN, per, Beton i Zholzobeton, No 2, 1963,  
pp 53-60.

NLL RKS 2419  
(loan copy)

Jul 64

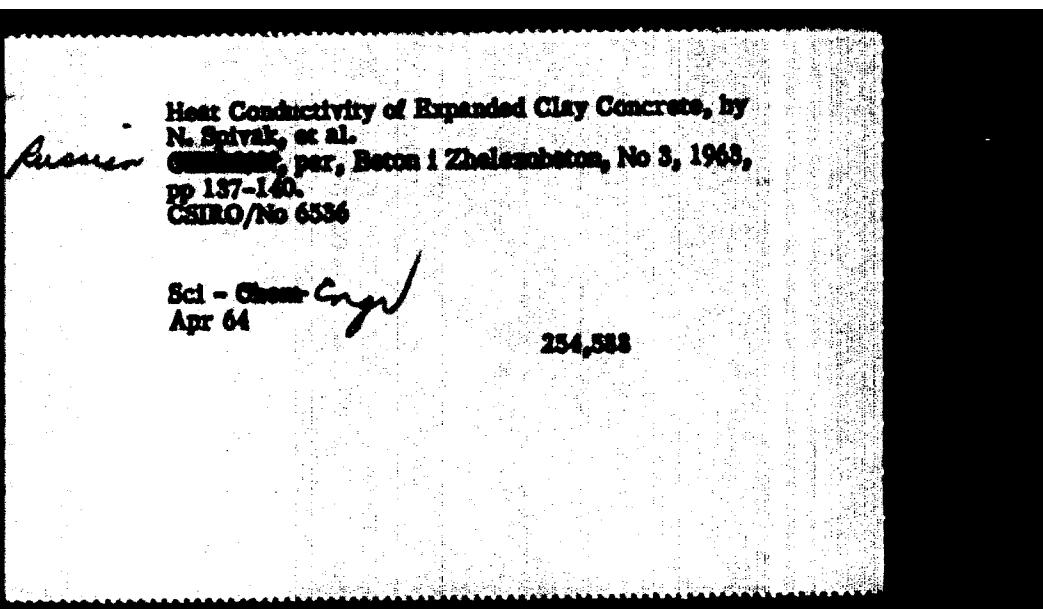


The Design of Buildings Made With Box Units,  
by P. P. Drozdov

RUSSIAN, per, Beton i Zhelezobeton, No 2,  
1963, pp 89-92.

NLL Ref: 5196 1963 (1198)  
(loan copy)

Sci  
Sep 64



Construction of Joints and the Design of Ties  
in the External Walls of Large-Panel Buildings,  
by G.P. Kuznetsov.  
RUSSIAN, per, Beton I Zhelezobeton, No. 4, 1963,  
pp 145-151  
NLL/5196 1964 (1224)

Sci -  
Aug 67

336-130

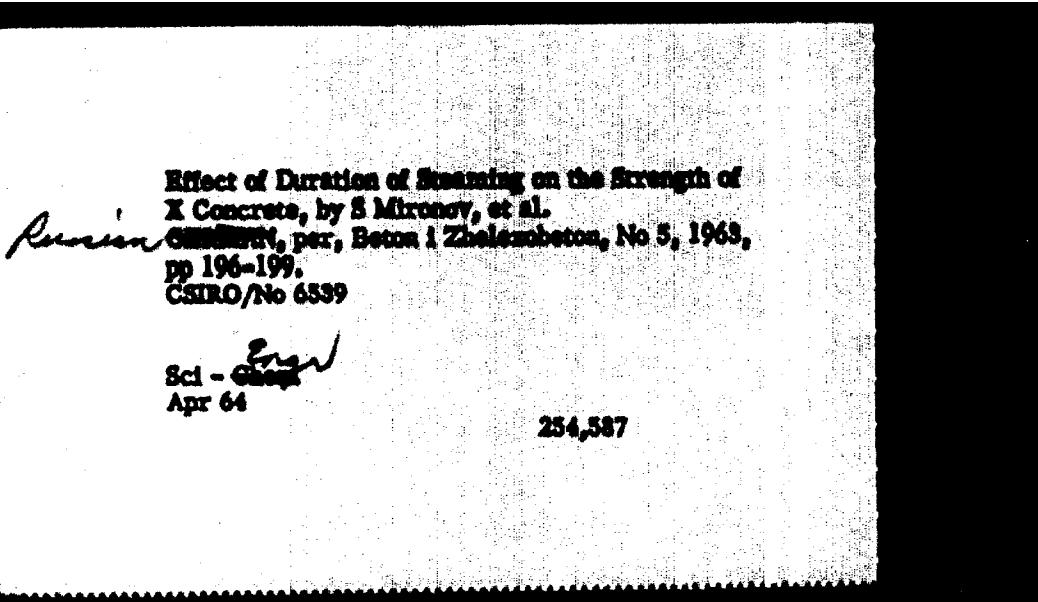
THE INTEGRATED PLAN FOR THE DEVELOPMENT OF THE  
PRECAST REINFORCED CONCRETE INDUSTRY IN THE  
MRSFSR, BY A. G. BURNAYEV, 8 PP.

RUSSIAN, PER, BETON I ZHELEZO-BETON, NO 5, 1963,  
PP 193-196.

JPRS 20558

USSR  
ECON  
AUG 63

238,624



Strength and Deformation of Horizontal  
Joints in Large-Panel Buildings, by G.A.  
Shapiro, M.E. Sokolov.  
RUSSIAN, per Beton Zhelezobeton, No. 6,  
1963, pp 265-267.  
NLL/5196 1965 (1217)

Sci -  
Aug 67

337-548

GREATER USE OF LIGHTWEIGHT CONCRETES IN MANUFACTURE  
OF PRODUCTS NEEDED, BY V. M. MOSKVIN, G. A. BUZHEVICH,  
ET AL, 8 PP.

RUSSIAN, PER, BETON I ZHELEZOBETON, NO 7, 1963,  
PP 209-252.

JPRS 21468

USSR  
ECON  
OCT 63

346,424

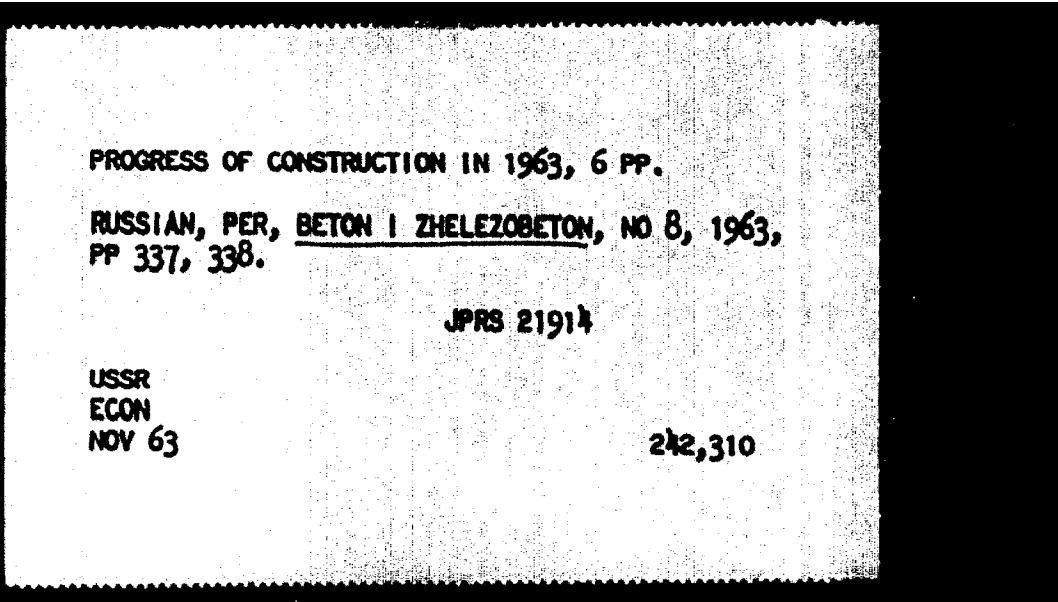
PRODUCTION OF KERAMZIT CONCRETE SHOULD BE DEVELOPED  
AND ITS UTILIZATION IN CONSTRUCTION EXPANDED, 9 PP.

RUSSIAN, PER, BETON I ZHELEZO-BETON, NO 7, 1963, PP 335

JPRS 21463

USSR  
ECON  
OCT 63

346,485



Control of Steam-Curing Chambers According  
to the Rate of Concrete Hardening,  
by K. S. Ignatev, 9 pp.  
RUSSIAN, per, Beton i Zhelez, Vol IX, No 8,  
1963,pp 369-371.  
CFSTI TT-64-15732

Sci - M/M  
Jul 66

305,861

Lightweight Autoclaved Cementless Concrete Made with  
Clay-Ash Aggoporite, by I Ivanov.  
RUSSIAN, per, Beton I Zhelezobeton, No. 7, 1963,  
pp 319-322  
CSIRO/No. 6729

Sci -  
July 1967

334,000

Control of Steam Curing Chambers According to the  
Rate of Concrete Hardening, by K. Ignatev, M.  
Mikiforov.

RUSSIAN, per, Beton i Zhelezboten, Vol. 8, 1963,  
pp 369-371.

CSIRO/No. 6651

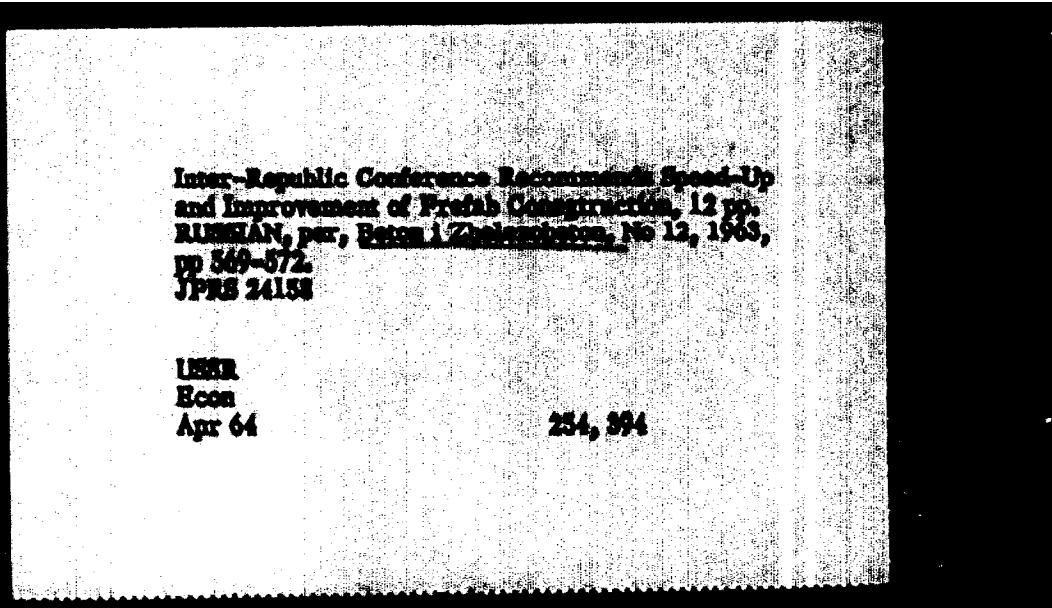
Sci -  
July 1967

334,007

Designing Joints in Exterior Walls of Large-  
Panelled Buildings, by G. Kuznetsov.  
RUSSIAN, per, Beton I Zhelezobeton, No. 10, 1963  
pp 436-441.  
CSIRO/No. 6731

Sci -  
July 1967

334,009



Behavior of Reinforced Concrete Beams With  
Rectangular Cross-Section Subjected to Combined  
Torsion and Flexure, by V. K. Yudin, 10 pp.

RUSSIAN, per, Beton i Zhelezobeton, No 1, 196<sup>3/4</sup>,  
p 3035.

SIA

Sci  
Aug 04

Electric Heating of Concrete Units in  
Cassettes, by V/ Sheronov.  
RUSSIAN, per, Beton i Zhelezobeton, Vol. 1,  
1964, pp 12-14  
CSIRO/ No. 6895

Sci -  
Aug 67

335  
350-287

Investigation of High-Strength "Ceramsite" Concrete,  
Working under Conditions of Restrained Transverse  
Deformations, by N. Victorov.  
RUSSIAN, per, Beton i Zhelezobeton, No 1, 1964,  
pp 5-11  
CIRI/No 6096

Sci -  
Aug 67 335,157